

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A perforation gun having an outer gun barrel (1), arranged in the interior of which there are perforators (10) that can be ignited by way of a fuse (11) leading through the gun barrel (1) and after ignition pierce the gun barrel (1) at penetration holes (13), wherein means are provided for the automatic closure of the penetration holes (13), characterised in that the means for the automatic closure comprise cartridges with a swellable two-component foam and these cartridges are arranged in the gun barrel (1) and can be broken up by means of the ignited fuse (11), as a result of which foam emerges out of the cartridges, swells up and blocks the penetration holes (13).
2. (Original) A perforation gun according to claim 1, characterised in that a cartridge is arranged next to each perforator (10).
3. (Original) A perforation gun having an outer gun barrel (1), arranged in the interior of which there are perforators (10) that can be ignited by way of a fuse (11) leading through the gun barrel (1) and after ignition pierce the gun barrel (1) at penetration holes (13), wherein means are provided for automatically closing the penetration holes (13), and these means comprise a sliding tube (4) which can be displaced by means of an adjusting arrangement by at least the diameter of the penetration hole

(13) after the penetration, characterised in that the sliding tube (4) is arranged coaxially between the perforators (10) and the gun barrel (1).

4. (Original) A perforation gun according to claim 3, characterised in that the sliding tube (4) is fixed in its starting position by way of a securing element (7) that breaks up after ignition of the fuse (11) and enables the displacement of the sliding tube (4).
5. (Currently Amended) A perforation gun according to claim 3 ~~or 4~~, characterised in that the adjusting arrangement is a tensioned spring.
6. (Currently Amended) A perforation gun according to ~~one of claims 3 to 5~~ claim 3, characterised in that the adjusting arrangement is a pyrotechnic element that can be ignited by means of the fuse (11).
7. (Currently Amended) A perforation gun according to ~~one of claims 3 to 6~~ claim 3, characterised in that the sliding tube (4) is closed on the side to which it is to be displaced and is open on the other side and as a result can be displaced like a plunger by means of the pressure building up as a result of the ignition of the perforators (10).
8. (Currently Amended) A perforation gun according to ~~one of claims 3 to 7~~ claim 3, characterised in that the sliding tube (4) has a wall thickness that permits radial expansion and thus fixation in the gun barrel (1) after the sliding tube (4) has been displaced as a result of the pressure that has built up in the gun barrel (1) after the ignition of the perforators (10).

9. (Currently Amended) A perforation gun according to ~~one of claims 3 to 8~~ claim 3, characterised in that a fluid is arranged between the sliding tube (4) and the gun barrel (1).